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<p>(21) International Application Number: PCT/US99/03781</p> <p>(22) International Filing Date: 22 February 1999 (22.02.99)</p> <p>(30) Priority Data: 09/034,422 4 March 1998 (04.03.98) US</p> <p>(71) Applicant: E. HELLER & COMPANY [US/US]; Suite 1000, 1311 Harbor Bay Parkway, Alameda, CA 94502 (US).</p> <p>(72) Inventors: SAY, James; 2800 Pearl Harbor, Alameda, CA 94501 (US). TOMASCO, Michael, F.; 22528 Poppy Drive, Cupertino, CA 95014 (US). HELLER, Adam; 5317 Valburn Circle, Austin, TX 78731 (US). GAL, Yoram; P.O. Box 126, 30065 Kibbutz Yagur (IL). ARIA, Behrad; 817 Santa Clara Avenue, Alameda, CA 94502 (US). HELLER, Ephraim; 44 Stark Knoll Place, Oakland, CA 94618 (US). PLANTE, Phillip, J.; 268 Monterey Boulevard, San Francisco, CA 94131 (US). VREEKE, Mark, S.; 2826 Calhoun Street, Alameda, CA 94501 (US).</p> <p>(74) Agent: DAIGNAULT, Ronald, A.; Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A., 3100 Norwest Center, 90 South Seventh Street, Minneapolis, MN 55402-4131 (US).</p>		<p>(81) Designated States: AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p>
<p>(54) Title: PROCESS FOR PRODUCING AN ELECTROCHEMICAL BIOSENSOR</p> <p>(57) Abstract</p> <p>A process for the manufacture of small sensors with reproducible surfaces, including electrochemical sensors. One process includes forming channels in the surface of a substrate and disposing a conductive material in the channels to form an electrode. The conductive material can also be formed on the substrate by other impact and non-impact methods. In a preferred embodiment, the method includes the steps of providing a continuous substrate web, and disposing a pattern of a conductive material on the continuous substrate web to form one or more working electrodes and/or counter electrodes.</p>		

